

Getting Ahead of Extreme Heat in Communities Hosting Forcibly Displaced People



WORLD METEOROLOGICAL ORGANIZATION

AI-powered, low-resource forecasting demo tools to predict not only high temperatures, but the specific impacts of extreme heat on refugee and host communities in two camps in Africa.



MAY 2025 - MARCH 2027



To transform the WMO drought and extreme heat report into an interactive impact-based forecasting map for the intervention areas and to create a tool using Machine Learning to identify risks and forecast heat impacts in sub-Saharan Africa.

FOCUS AREAS



Forecasting



Data Management

100K CHF 

INVESTMENT



1

COUNTRY COVERED

Mali

OUTPUTS 

- Interactive impact-based forecasting map to enhance actionable and tailored information to better support humanitarian interventions
- Develop a prototype of an Impact Based Forecast and Warning System on extreme heat for refugee camps
- Strengthen early warning capacities of the national NMHS
- Encourage collaboration between NMHS and humanitarian organizations

